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**From:** Jones, Samantha [Jones.Samantha@epa.gov]  
**Sent:** 7/5/2016 10:02:13 PM  
**To:** Kraft, Andrew [Kraft.Andrew@epa.gov]; Glenn, Barbara [Glenn.Barbara@epa.gov]  
**CC:** Birchfield, Norman [Birchfield.Norman@epa.gov]  
**Subject:** FW: Formaldehyde: NCEA Executive Review Committee  
**Attachments:** Lehmann comments Formaldehyde draft May2016.docx; Formaldehyde\_draft Tox Review\_ERC\_May2016\_gml.docx; Formaldehyde\_draft Appendices\_ERC\_May2016\_gml.docx

Another set of comments. Just wanted to note that for next Tuesday (the 12<sup>th</sup>), we will only be focusing on comments from Vince, Lynn Flowers, and John Vandenberg.

Thanks,  
Samantha

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**From:** Lehmann, Geniece  
**Sent:** Tuesday, July 05, 2016 4:09 PM  
**To:** Jones, Samantha <Jones.Samantha@epa.gov>  
**Cc:** Stanek, John <Stanek.John@epa.gov>  
**Subject:** RE: Formaldehyde: NCEA Executive Review Committee

Hi Samantha,

Below (and attached) are my comments on the formaldehyde assessment. I know that the instructions on your email to the ERC said to copy everyone. But, since I wasn't on the original email, I'm going to go ahead and let you do the distributing just in case that instruction doesn't pertain to me.

Thanks,  
Geniece

Geniece M. Lehmann, Ph.D.  
Toxicologist  
National Center for Environmental Assessment  
Office of Research & Development  
U.S. Environmental Protection Agency, B243-01  
RTP, NC 27711

Phone: 919-541-2289  
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## Ex. 5 Deliberative Process (DP)

The attached files contain my comments and suggested edits.

## Ex. 5 Deliberative Process (DP)

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**From:** Jones, Samantha  
**Sent:** Tuesday, May 24, 2016 9:11 PM  
**To:** Lehmann, Geniece <[Lehmann.Geniece@epa.gov](mailto:Lehmann.Geniece@epa.gov)>  
**Cc:** Stanek, John <[Stanek.John@epa.gov](mailto:Stanek.John@epa.gov)>  
**Subject:** Formaldehyde: NCEA Executive Review Committee

Hi Geniece,

You have been identified as an ideal reviewer for formaldehyde. You would be asked to look at the respiratory hazard immunotoxicological evidence.

Understanding you are busy with PCBs and other activities, we are asking you to set aside some time to conduct this review. Let me know if you have any concerns.

Thanks,  
Samantha

Samantha J. Jones, Ph.D  
Acting Associate Director for Health, ORD/NCEA  
Phone: (703) 347-8580

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**From:** Jones, Samantha  
**Sent:** Tuesday, May 24, 2016 8:28 PM  
**To:** Olden, Kenneth <[Olden.Kenneth@epa.gov](mailto:Olden.Kenneth@epa.gov)>; Vandenberg, John <[Vandenberg.John@epa.gov](mailto:Vandenberg.John@epa.gov)>; Lynn Flowers <[Flowers.Lynn@epa.gov](mailto:Flowers.Lynn@epa.gov)>; Cogliano, Vincent <[cogliano.vincent@epa.gov](mailto:cogliano.vincent@epa.gov)>; Perovich, Gina <[Perovich.Gina@epa.gov](mailto:Perovich.Gina@epa.gov)>; Ross, Mary <[Ross.Mary@epa.gov](mailto:Ross.Mary@epa.gov)>; Walsh, Debra <[Walsh.Debra@epa.gov](mailto:Walsh.Debra@epa.gov)>; Bussard, David <[Bussard.David@epa.gov](mailto:Bussard.David@epa.gov)>; Hagerthey, Scot <[Hagerthey.Scot@epa.gov](mailto:Hagerthey.Scot@epa.gov)>; Birchfield, Norman <[Birchfield.Norman@epa.gov](mailto:Birchfield.Norman@epa.gov)>; Morozov, Viktor <[Morozov.Viktor@epa.gov](mailto:Morozov.Viktor@epa.gov)>; Susan Rieth <[Rieth.Susan@epa.gov](mailto:Rieth.Susan@epa.gov)>; Andrew Hotchkiss <[Hotchkiss.Andrew@epa.gov](mailto:Hotchkiss.Andrew@epa.gov)>; Subramaniam, Ravi <[subramaniam.ravi@epa.gov](mailto:subramaniam.ravi@epa.gov)>; Stanek, John <[Stanek.John@epa.gov](mailto:Stanek.John@epa.gov)>; Lambert, Jason <[Lambert.Jason@epa.gov](mailto:Lambert.Jason@epa.gov)>; Hawkins, Belinda <[Hawkins.Belinda@epa.gov](mailto:Hawkins.Belinda@epa.gov)>; Johnson, Craig <[Johnson.Craig@epa.gov](mailto:Johnson.Craig@epa.gov)>; Gatchett, Annette <[Gatchett.Annette@epa.gov](mailto:Gatchett.Annette@epa.gov)>; Ted Berner <[Berner.Ted@epa.gov](mailto:Berner.Ted@epa.gov)>; D'Amico, Louis <[damico.louis@epa.gov](mailto:damico.louis@epa.gov)>; Glenn, Barbara <[Glenn.Barbara@epa.gov](mailto:Glenn.Barbara@epa.gov)>; Kraft, Andrew <[Kraft.Andrew@epa.gov](mailto:Kraft.Andrew@epa.gov)>; White, Paul <[White.Paul@epa.gov](mailto:White.Paul@epa.gov)>  
**Subject:** Formaldehyde: ERC Review

Hello all,

The draft formaldehyde assessment is ready for review by the Executive Review Committee (ERC). John Vandenberg, Lynn Flowers, Vince Cogliano, and Gina Perovich have agreed to serve as reviewers. I will be adding a number of other reviewers to target several areas within the assessment (more to come) but didn't want to delay in getting this to the ERC. Attached are clean drafts of the toxicological review and supplemental information (i.e., appendices). Please note that these documents have not yet undergone tech edit, and all of the callouts to tables, figures, and other sections are not included. Additionally, while these documents are clean (i.e., no track changes), there are a few comment bubbles remaining to note some items the team is still working to address. The other attachment details several topics raised for ERC review; these are briefly highlighted below. **Comments are due by June 22nd**; please cc' all on this email with comments. An ERC meeting will be scheduled for shortly after the 22nd.

### **Highlighted topics covering assessment approaches for ERC reviewers to consider**

#### *Main Highlights*

- Use of systematic review methods.
- Organizing principles.
- Modeling of cancer risk.

#### *Additional Highlights*

- PODs and UFs
- RfC determination
- Endogenous formaldehyde
- BBDR modeling of rat tumor data
- Formaldehyde Concentration in Exhaled Breath

Thanks,  
Samantha

Samantha J. Jones, Ph.D  
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